

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 565  | 294/2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/01 21:41 |
| L2    | 1964 | 294/64.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/01 21:41 |
| L3    | 807  | 294/103.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/01 21:41 |
| L4    | 696  | 294/119.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/01 21:41 |
| L5    | 206  | 294/906.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/01 21:41 |
| L6    | 511  | 294/93.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/01 21:41 |
| L7    | 219  | 294/94.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/01 21:41 |
| L8    | 48   | (barrel drum vat cylinder<br>cylindrical).ti. and arm and finger<br>and (centering radi\$4) | US-PGPUB  | OR               | ON      | 2007/04/01 21:42 |
| L9    | 2219 | (barrel drum vat cylinder<br>cylindrical).ti. and (centering<br>radi\$4)                    | US-PGPUB  | OR               | ON      | 2007/04/01 21:42 |

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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| L10 | 483 | (barrel drum vat cylinder cylindrical).ti. and arm and (centering radi\$4) | US-PGPUB  | OR | ON  | 2007/04/01 21:42 |
| S1  | 2   | "4850627".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 11:46 |
| S2  | 2   | "4151983".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/29 17:08 |
| S3  | 2   | "5310304".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/29 17:09 |
| S4  | 4   | "2783078".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/29 17:45 |
| S5  | 558 | 294/2.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/01 21:40 |
| S6  | 93  | 294/2.ccls. and suction\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/29 17:47 |
| S7  | 76  | 294/64.1.ccls. and 294/2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/15 17:29 |

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|-----|-----|---|---|----|-----|------------------|
| S8  | 153 | 294/93.ccls. and (centering radi\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 12:04 |
| S9  | 571 | "294"/\$.ccls. and (centering radi\$4) and (barrel drum)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 12:17 |
| S10 | 717 | (barrel drum vat cylinder cylindrical).ti. and arm and finger and (centering radi\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/01 21:42 |
| S11 | 659 | (barrel drum vat cylinder cylindrical).ti. and arm and finger and (centering radi\$4) not (gun rifle pistol munition)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/10 12:26 |
| S12 | 629 | "294"/\$.ccls. and (barrel drum vat cylinder cylindrical) and arm and finger and (centering radi\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/10 12:29 |
| S13 | 662 | "294"/\$.ccls. and (barrel drum vat cylinder cylindrical roll) and arm and finger and (centering radi\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/10 12:31 |
| S14 | 230 | "294"/\$.ccls. and (barrel drum vat cylinder cylindrical roll pipe) and (arm and hand and finger) and (centering radi\$4) and (elevat\$2 lift\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/10 12:36 |
| S15 | 510 | 294/93.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 12:41 |

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|-----|-----|--|---|----|-----|------------------|
| S16 | 560 | 294/2.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 12:41 |
| S17 | 7   | ("4135630"   "4753004"  <br>"4759124"   "4858974"  <br>"4860438"   "4950011"  <br>"5195235").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/10 13:10 |
| S18 | 12  | 294/64.1.ccls. and 294/2.ccls. and<br>"suction cup"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 14:01 |
| S19 | 3   | 294/64.1.ccls. and suction adj cup<br>and ball adj socket  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 14:03 |
| S20 | 36  | 294/64.1.ccls. and suction adj cup<br>and socket   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 14:04 |
| S21 | 3   | 294/64.1.ccls. and suction adj cup<br>and socket adj joint                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 14:05 |
| S22 | 12  | 294/64.1.ccls. and suction adj cup<br>and socket and ball  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 14:07 |
| S23 | 206 | 294/906.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/19 19:12 |

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|-----|-----|---|---|----|-----|------------------|
| S24 | 0   | 294/906.ccls. and 294/2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 14:11 |
| S25 | 5   | ("3773616"   "3909350"  <br>"3915792"   "3997393"  <br>"4069098").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/10 14:13 |
| S26 | 2   | ("4202728").URPN.   | USPAT   | OR | OFF | 2006/06/10 14:27 |
| S27 | 264 | 294/907.ccls.   | USPAT   | OR | OFF | 2006/06/10 14:27 |
| S28 | 8   | 294/907.ccls. and 294/2.ccls.   | USPAT   | OR | OFF | 2006/06/10 14:28 |
| S29 | 19  | 294/906.ccls. and inspect\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 14:46 |
| S30 | 15  | 294/906.ccls. and camera  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 14:54 |
| S31 | 1   | 294/906.ccls. and camera and<br>inspection                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 15:19 |
| S32 | 0   | 294/2.ccls. and sensor near arm                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 15:20 |
| S33 | 11  | "294"/\$.ccls. and sensor near arm                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 15:26 |
| S34 | 3   | "294"/\$.ccls. and camera near arm                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/10 15:26 |

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|     |    |  |   |    |     |                  |
|-----|----|--|---|----|-----|------------------|
| S35 | 4  | "10100918"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/15 12:06 |
| S36 | 8  | ("4078671"   "4355936"  <br>"4787812"   "4850627"  <br>"5024575"   "5088878"  <br>"5752729"   "5813713").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/15 12:12 |
| S37 | 88 | 294/2.ccls. and (centering centers<br>radi\$3 radially)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/15 18:54 |
| S38 | 33 | 294/64.1.ccls. and 294/2.ccls. and<br>(centering centers radi\$3 radially)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/15 17:31 |
| S39 | 13 | 294/64.1.ccls. and 294/2.ccls. and<br>(centering centers)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/15 17:32 |
| S41 | 7  | "5752729"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/06/19 15:36 |
| S42 | 6  | ("2783078"   "3387718"  <br>"4828304"   "5024575").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/19 15:38 |
| S43 | 17 | ("5024575").URPN.  | USPAT   | OR | OFF | 2006/06/19 15:38 |
| S44 | 8  | ("2783078").URPN.  | USPAT   | OR | OFF | 2006/06/19 15:41 |
| S45 | 5  | ("5752729").URPN.  | USPAT   | OR | OFF | 2006/06/19 15:42 |
| S46 | 6  | ("2783078"   "3387718"  <br>"4828304"   "5024575").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/06/19 15:42 |
| S47 | 0  | ("7017961").URPN.  | USPAT   | OR | OFF | 2006/06/19 17:09 |

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|     |     |                                     |   |    |     |                  |
|-----|-----|-------------------------------------|---|----|-----|------------------|
| S48 | 37  | 294/2.ccls. and (centering centers) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/19 17:10 |
| S49 | 219 | 294/94.ccls.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/19 19:12 |
| S50 | 798 | 294/103.1.ccls.                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/19 19:13 |
| S51 | 693 | 294/119.1.ccls.                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/06/19 19:13 |